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5 **ABSTRACT**

10 The invention relates to an air conditioning system for a motor vehicle comprising a
coolant circuit (1) that contains an electrically driven compressor (2), a condenser (4), an
expansion valve (10) and a latent cold accumulator (12). Heat is removed from the latent
cold accumulator (12) by means of the cooling circuit (1); this is referred to as the charging
of the latent cold accumulator (12). The system is also equipped with means for cooling
15 air, which are configured in such a way that heat is removed from said air and supplied to
the latent cold accumulator (12). Thus the cost-effective, efficient air conditioning system
can be used, in particular, when the vehicle is stationary.